NEEDLE BEARING COMPONENTS, AND METHOD FOR PRODUCING THE COMPONENTS

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Inventor: TANAKA HIROMASA
Applicant: NTN TOYO BEARING CO LTD
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Abstract of **JP2002180203**

PROBLEM TO BE SOLVED: To provide needle roller bearing components in which a long endurance life can be secured even under atmospheric conditions where sliding contact occurs, and the temperature is made high, and to provide a method for producing the components. SOLUTION: The needle roller bearing components consists of steel at least containing, as alloy elements in the base, by mass, 0.1 to 0.4% C, 0.3 to 3.0% Si, 0.2 to 2.0% Mn, <=0.03% P, <=0.03% S, 0.3 to <2.5% Cr, 0.1 to <2.0% Ni, <=0.050% Al, <=0.003% Ti, <=0.0015% O and <=0.025% N, and the balance Fe with inevitable impurities. The steel is subjected to quenching and tempering treatment after carburizing or carbo-nitriding treatment.